NORMAL mRNA MRNA UAC AUG NORMAL tRNA I TRANSLATION NORMAL PROTEIN Fig. 114

MUTANT mRNA WITH NONSENSE OCHRE MUTATION

MUTANT mRNA WITH NONSENSE OCHRE MUTATION

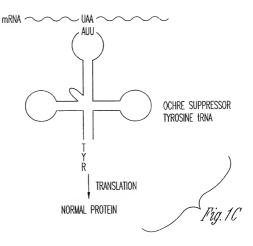
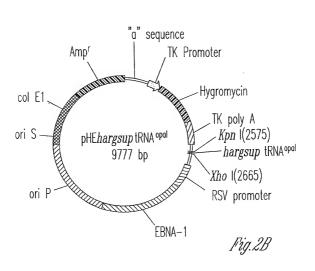
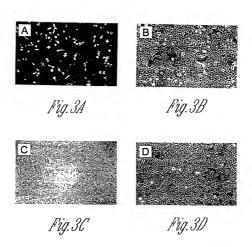
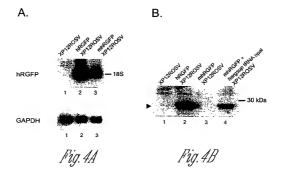


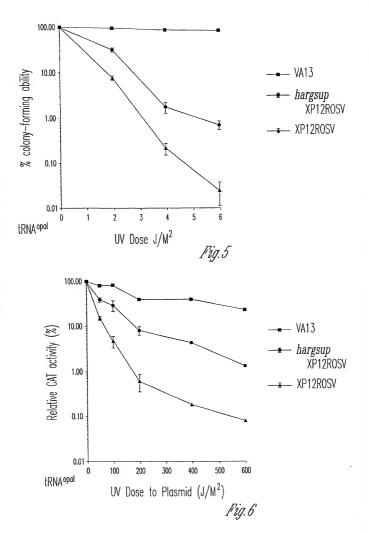
Fig.2A

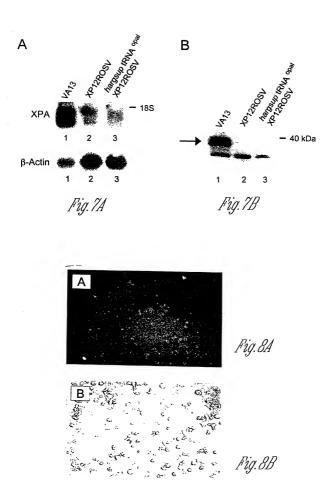
P03357US2 Panchal et al. Continuation of 09/229,212 HUMAN SUPPRESSOR tRNA GLIGONUGLEOTIDES AND METHODS OF USE FOR SAME Sheet 3 of 10











Human Opal/Amber Suppressor Ser tRNA (del CCA at the 3' end)

pHE 850

Human opal suppressor serine tRNA (using oligos RgP 24/25)

- 5 / gcgc<u>stric</u>rstrararancachos<u>tostr</u>stosscrabattosractsoscsbsgraccccaatggatt<u>tsr</u>agtccatosccttraccactcsgocracactacaces

Human amber suppressor serine tRNA (using oligos RgP 18/4)

- 5 , $g_{
 m cg}$ corresponds and $g_{
 m cg}$ and $g_{
 m cg}$

Human ochre suppressor serine tRNA (using oligos RgP 73/74)

- 5¹ gege<u>getarc</u>artaaaaaaacaacac<u>ostaa</u>gtoggcaagaattogaacetgcagggaagaccccaatggatt<u>taa</u>agtocatcgaccttaaccactacgacaacgagg
- 3'cgc<u>grance</u>ichttitticsigg<u>gchi</u>chgecstectragsteggegeeeertigggstijgethi<u>amti</u>taggsragggrantigstgagesgschig<u>aacte</u>gg Nhe I

Opal Serine Amber Serine Ochre Serine

Human Opal/Amber Suppressor Ser tRNA (del CCA at the 3' end)

pHE 850

Human opal suppressor serine tRNA (using oligos RgP24/25)

 3° cgag<u>cates</u> cattititics foce 60M casce tectas accesses for the second state of the second second states and $\frac{1}{8}$ for $\frac{1}{8}$ for $\frac{1}{8}$

Human amber suppressor serine tRNA (using oligos 18/4)

3' ego<u>gaacte</u>icattititicsig<u>gcai</u>cascosocctaasctigaacegcocctcissegtiacctaa<u>ase</u>tcastagcssaattgstegtsatsceass Xno I

Opal Serine Amber Serine

Dame (Succe 2 OF 10) SET 4

Fig. 11

Fig. 12

Fig. 13

Fig. 14